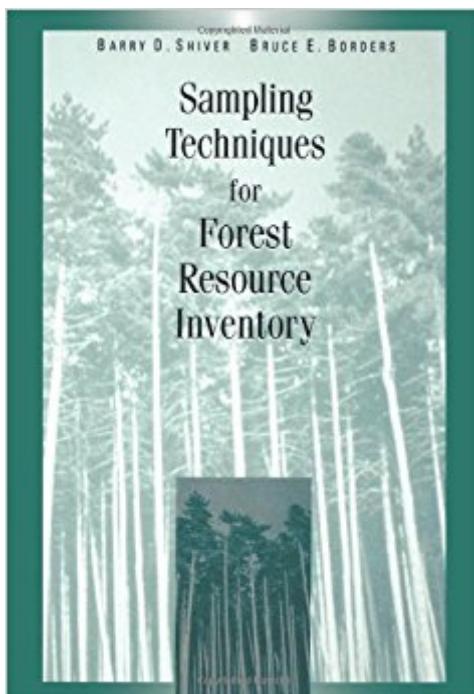


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Sampling Techniques For Forest Resource Inventory



Synopsis

Clearly explains the sampling methods associated with the inventory of forest resources. It avoids extensive coverage of theoretical statistics and mathematics in favor of thorough coverage of forest inventory topics for the practitioner.

Book Information

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Clearly explains the sampling methods associated with the inventory of forest resources. Examples, used extensively throughout the text, illustrate various estimators, demonstrating different applications for sampling techniques. Several of the topics discussed such as point and 3P sampling were developed specifically for timber inventory. Other subjects, including recapture methods, were created for inventory of mobile wildlife populations. Many of the topics can be used to inventory virtually any of the resources in a forest.

This book provides thorough coverage of forest inventory topics for the practitioner rather than the theoretician. It should be understandable to forest resource undergraduates and indispensable as a reference for the practicing professional. It brings together techniques designed for timber inventory, methods created specifically for sampling mobile wildlife populations, and other methods which can be used to inventory virtually any forest resource (vegetation, soils, water, and so on). Many of the methods discussed have been previously available only as journal articles. Sampling Techniques for Forest Resource Inventory addresses practical questions such as: How to determine needed sample size How to handle edge effect problems How to design cruises to reduce sampling errors

How to inventory to estimate forest growth How to obtain the full benefits from stratification How to use auxiliary variables to inventory more efficiently and more precisely simultaneously How and when to use point sampling and how to make the point vs. plot comparison How to conduct basic wildlife inventories How and when to use 3P sampling

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